

Application  
Number

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**IDS Flag Clearance for Application 10772017**

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Note: IDS filed 01/04/07 is SAME AS IDS filed 12/14/06. Paul

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844-1	2006-12-14	24	Y <input checked="" type="checkbox"/>	2007-01-03 11:41:58.0	MLe
M844	2006-08-02	21	Y <input checked="" type="checkbox"/>	2007-01-03 11:42:02.0	MLe
<input type="button" value="Update"/>					

## EAST Search History

10/772,017  
Updated Search -

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	171	("20020016827" "20020026595" "20020144057" "20020166079" "20030004980" "20030037211" "20030120676" "20030188208" "20040015731" "20040181707" "20050010529" "20050063374" "20050065962" "20050066118" "20050066222" "20050066225" "20050076261" "20050076262" "20050076264" "20060047895" "20060047902" "20060047903" "20060047925" "20060047989" "20060047998" "20060047999" "4635145" "4775969" "5438674" "5455926" "5666538" "5673382" "5774292" "5774715" "5805864" "5809511" "5809543" "5854720" "5872669" "5911779" "5949970" "5961613" "5963971" "6021408" "6023709" "6029179" "6041329" "6044442" "6049848" "6061309" "6070224" "6098148" "6128698" "6131142" "6163856" "6173359" "6195730" "6225709" "6247096" "6260110" "6266784" "6269423" "6269431" "6282609" "6289425" "6304880" "6317814" "6324497" "6327418" "6336163" "6336173" "6339778" "6341329" "6343342" "6353837" "6360232" "6389503" "6408359" "6487561" "6499026" "6557089" "6725331" "6779057" "6779058" "6779081" "6816941" "6816942" "6931557" "6950263" "7032126").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:52
L2	9435	(mapp\$3 or mirror or redundan\$3 or double) same (data adj structure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:54
L3	142542	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:56
L4	4	(rewound or rewind\$3) near3 (L3 or (any adj point adj in adj time) or "any point in time")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:59

## EAST Search History

L5	3	2 same 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:00
L6	4221	(duplicat\$3 or double) near2 writ\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:13
L7	10222	continuous\$4 near3 protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
L8	111	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
L9	7	8 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:08
L10	2	8 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:09
L11	0	8 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:09
L12	6691	(duplicat\$3 or replicat\$3 or mirror\$3 or double) near2 writ\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:13

## EAST Search History

L13	743	(714/42).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:24
L14	982	(714/15).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
L15	2749	(707/200).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:25
L16	1112	(707/202).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:25
L17	1791	(707/204).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:25
L18	2	8 and (13 or 14)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:33
L19	691	(714/7).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
L20	551	(714/13).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27

## EAST Search History

L21	982	(714/15).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:27
L22	1	8 and (19 or 20 or 21)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:35
L23	3	8 and (15 or 16 or 17)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:57
S1	10970	recover\$4 near4 continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:07
S2	919	(714/2).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:23
S3	501	(714/13).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 06:46
S5	2394	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:36
S6	138486	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 06:54

## EAST Search History

S7	1	S1 same S5 same S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 06:54
S8	4	S1 and S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:24
S9	54	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:24
S10	20	S9 and recover\$4 and continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 07:25
S11	1	"5673382".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:32
S12	1	"6148412".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:35
S13	1	"6166784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:36
S14	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:37
S15	1	"6166784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S16	1	"6393516".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S17	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S18	1	"6266784".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S19	1	"6393516".PN.	USPAT; USOCR	OR	ON	2006/07/05 11:47
S20	1	"20040088382".PN.	US-PGPUB	OR	ON	2006/07/05 11:47
S21	1	"20040123029".PN.	US-PGPUB	OR	ON	2006/07/05 11:56
S22	1	"20050010529".PN.	US-PGPUB	OR	ON	2006/07/05 12:01

## EAST Search History

S23	181	(stager-roger\$ or trimmer-donald\$ or saxena-pawan\$ or johnson-randall\$ or johnston-craig\$ or chang-yafen\$ or blaser-rico\$).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:12
S24	919	(714/2).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S25	2394	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundant\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S26	138486	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S27	54	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:42
S28	2	S27 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:43
S29	20	S27 and recover\$4 and continuous\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:44
S30	31	S27 not (S23 or S29)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 12:44

## EAST Search History

S31	36	S27 and map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S32	21	S31 and recover\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 13:09
S33	0	S32 not (S29 or S30)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 14:35
S34	590	(duplicat\$3 or double) adj write	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 11:06
S35	6	(mapp\$3 or mirror or redundan\$3 or double) same (primary or second\$4 or first or backup or back-up) same column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 10:54
S36	368	S34 same (mapp\$3 or mirror or redundan\$3 or double)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:38
S37	2	S36 same rewound\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39
S38	2402	(primary or second\$4 or master or backup or back-up or (back adj up) or mirror or redundan\$3 or double) with snapshot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39

## EAST Search History

S39	138555	(a adj point adj in adj time) or PIT or APIT or (point adj in adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:39
S40	6	S36 and S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:41
S41	687	(714/42).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:42
S42	941	(714/5).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:42
S43	429	(714/8).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:43
S44	110	delta adj map\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/06 15:44
S45	6	S44 and S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/07 09:08
S46	2	("20050010529").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/07 09:08